

An optical apparatus has an adjustment apparatus 5 and an optical unit 1 including a plurality of optical elements. The adjustment apparatus sequentially provides control signals that, according to a probabilistic search technique, change the parameters of a stipulated plurality of optical elements among the optical elements to become parameters that cause the functions of the optical apparatus to satisfy stipulated specifications. A method of adjusting the optical apparatus includes sequentially providing control signals that, according to a probabilistic search technique, change the parameters of the stipulated plurality of optical elements among the optical elements, and searching for optical values at which the functions of the optical apparatus the stipulated specification.